

IN THE CLAIMS:

1. (Currently Amended) For use with a satellite radio receiver having a demodulator and a perceptual decoder, a system for recording and playing back data, comprising:
 - a buffer;
 - a decoder configured to partially decode a data stream from said demodulator;
 - a recorder controller, coupled to said buffer, configured to intercept a partially decoded data stream flowing from said decoder demodulator to said perceptual decoder during operation of said satellite radio receiver and cause a portion of said partially decoded data stream to be stored in said buffer; and
 - a playback switch, coupled to said recorder controller, configured to receive an external command that causes said recorder controller to substitute said portion stored in said buffer for said partially decoded data stream flowing from said decoder demodulator.
2. (Original) The system as recited in Claim 1 wherein said data stream comprises audio data and coordinated lyrics data.
3. (Original) The system as recited in Claim 1 wherein said buffer is embodied in a portion of a satellite signals delay memory.
4. (Original) The system as recited in Claim 1 wherein said recorder controller is

configured to operate continually to cause said portion of said data stream to be stored in said buffer.

5. (Currently Amended) The system as recited in Claim 1 wherein said satellite radio receiver further comprises has a channel selector configured to receive said partially decoded data stream from said decoder and select a single channel from said partially decoded data stream and said portion of said data stream is a single channel.

6. (Original) The system as recited in Claim 1 wherein said external command causes said recorder controller to substitute said portion stored in said buffer beginning at a defined program point.

7. (Original) The system as recited in Claim 1 further comprising an external memory interface, coupled to said recorder controller, configured to receive said portion stored in said buffer.

8. (Currently Amended) For use with a satellite radio receiver having a demodulator, a buffer, a recorder controller, and a perceptual decoder, a method of recording and playing back data, comprising:

intercepting a partially decoded data stream flowing from a decoder coupled to said demodulator to said perceptual decoder during operation of said satellite radio receiver;

buffering a portion of said partially decoded data stream into said buffer; and receiving an external command that causes said recorder controller to substitute said portion stored in said buffer for said partially decoded data stream flowing from said decoder demodulator.

9. (Original) The method as recited in Claim 8 wherein said buffering is carried out in a portion of a satellite signals delay memory.

10. (Original) The method as recited in Claim 8 wherein said buffering is performed continually.

11. (Currently Amended) The method as recited in Claim 8 further comprising: selecting a single channel from said partially decoded data stream; and only buffering said single channel.

12. (Original) The method as recited in Claim 8 wherein said external command causes said substituting to begin at a defined program point in said portion.

13. (Original) The method as recited in Claim 8 further comprising transmitting said portion to an external memory interface.

14. (Currently Amended) A karaoke satellite radio receiver, comprising:

 a buffer;

 a demodulator, coupled to said buffer, configured to receive a plurality of channels, including a data channel;

a decoder, coupled to said demodulator and configured to partially decode said plurality of channels, including said data channel, into a partially decoded datastream, including a partially decoded data channel;

 a channel selector, coupled to said demodulator, configured to select at least said partially decoded data channel from said partially decoded datastream;

 a recorder controller, coupled to said demodulator and said buffer, configured to intercept said partially decoded data channel flowing from said decoder demodulator during operation of said receiver and cause a portion of said partially decoded data channel to be stored in said buffer;

 a playback switch, coupled to a recorder controller, configured to receive an external command that causes said recorder controller to substitute said portion stored in said buffer for said partially decoded data channel flowing from said decoder demodulator;

 a visual display configured to display at least accompanying text; and

 a text manager, coupled to said visual display, configured to extract said accompanying text from said partially decoded data channel or said portion and cause said visual display to display said accompanying text in coordination with audio being played by said receiver.

15. Canceled

16. (Currently Amended) The receiver as recited in Claim 14 wherein said channel selector is configured to select both said partially decoded data channel and an associated audio channel, said audio channel providing said audio.

17. (Currently Amended) The receiver as recited in Claim 14 wherein said channel selector is configured to select only said partially decoded data channel, said partially decoded data channel including audio data, said audio data being decoded to provide said audio.

18. (Original) The receiver as recited in Claim 14 wherein said accompanying text is lyrics and said audio is music.

19. (Currently Amended) The receiver as recited in Claim 14 wherein said partially decoded data channel comprises musical instrument device interface (MIDI) synthesizer commands.

20. (Currently Amended) For use with a karaoke satellite radio receiver having a demodulator, a buffer, a decoder, a recorder controller, a perceptual decoder, and a visual display, a method of playing karaoke satellite radio, comprising:
receiving a plurality of channels, including a data channel;

partially decoding said plurality of channels, including said data channel;
selecting at least said partially decoded data channel;
intercepting said partially decoded data channel flowing from said decoder demodulator
to said perceptual decoder during operation of said satellite radio receiver;
buffering a portion of said partially decoded data channel into said buffer;
receiving an external command that causes said recorder controller to substitute said
portion stored in said buffer for said partially decoded data channel flowing from said decoder
demodulator;
extracting accompanying text from said portion; and
causing said visual display to display said accompanying text in coordination with audio
being played by said receiver.

21. (Currently Amended) The method as recited in Claim 20 wherein said selecting
comprises selecting both said partially decoded data channel and an associated audio channel,
said audio channel providing said audio.

22. (Currently Amended) The method as recited in Claim 20 wherein said selecting
comprises selecting only said partially decoded data channel, said partially decoded data
channel including audio data, said audio data being decoded to provide said audio.

23. (Original) The method as recited in Claim 20 wherein said accompanying text is

lyrics and said audio is music.

24. (Original) The method as recited in Claim 20 further comprising responding to musical instrument device interface (MIDI) synthesizer commands to play said audio.

25-27 Canceled